

ABSTRACT OF THE DISCLOSURE

The present invention has been made in order to provide a pixel
5 interpolating circuit and a pixel interpolating method, for images having
various formats, which can executes an interpolating process without
generating an interpolation error.

In order to realize the above-described aim, the pixel interpolating
circuit and the pixel interpolating method related to the invention calculate
10 interpolation candidate data for pixels neighboring the interpolation pixels
by using a plurality of interpolation calculating methods differing from each
other, select any one of the interpolation calculating methods based on
arithmetic differences between the test interpolation data and actual pixel
data, and calculate interpolation pixel data by using the selected
15 interpolation calculating method.